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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
LADAS & PARRY
Attn. Richards, John
26 West 61st Street
New York, NY 10023
UNITED STATES OF AMERICA

RECEIVED
AUG 12 2003
L & P.

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT
OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)	07/08/2003
Applicant's or agent's file reference H-245	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 02/18702	International filing date (day/month/year) 12/06/2002
Applicant THE GILLETTE COMPANY	

1. ☒ The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the International Searching Authority European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31-651-epo-nl, Telex 7131-70 EPTOM 16	Authorized officer Nicolas Michaleczek
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LW 52

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/18702

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/00 A61K7/06 A61K31/19 A61K31/4745 A61K31/56
A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, BIOSIS, MEDLINE, EMBASE, PASCAL, SCISEARCH

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 23276 A (GABEV EVGENI EVGENIEV ;ANRET LTD (BG); GABEV EVGENI BOGOMILOV (BG)) 4 June 1998 (1998-06-04) abstract	22,23,27
X	JP 09 143096 A (POLA CHEM IND INC) 3 June 1997 (1997-06-03) abstract	22,23,27
X	US 6 017 912 A (BUSSELL LETANTIA) 25 January 2000 (2000-01-25) abstract examples; claims	22,23,27
<p style="text-align: center;">-/--</p> <p># WO 99/19466</p>		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

15 July 2003

Date of mailing of the international search report

07/08/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hornich, E

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>IZBICKA E ET AL: "Effects of cationic porphyrins as G-quadruplex interactive agents in human tumor cells." CANCER RESEARCH. UNITED STATES 1 FEB 1999, vol. 59, no. 3, 1 February 1999 (1999-02-01), pages 639-644, XP 002247791 ISSN: 0008-5472</p>	
A	<p>RAMIREZ RUBEN D ET AL: "Telomerase activity concentrates in the mitotically active segments of human hair follicles." JOURNAL OF INVESTIGATIVE DERMATOLOGY, vol. 108, no. 1, 1997, pages 113-117, XP009013613 ISSN: 0022-202X</p>	

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 4, 5

1. The subject-matter of present claims 1, 19-21, 22, 25, 27 and 28 (and the dependent claims 3-18) is defined by means of the functional features 'inhibitor of telomerase', 'a compound that reduces telomerase levels in the hair follicles', 'a compound that reduces telomerase mRNA expression in the hair follicles', 'a compound that promotes the erosion of telomeric DNA in the hair follicles'.

Because of the character of the functional features, it cannot be guaranteed that the performed search is complete.

It cannot be excluded that compounds fulfilling the requirements of the functional feature have not been identified as doing so in the prior art. If such compounds have not been identified in the application either, they have not been covered by the search.

The search has been carried out, based on the functional features per se as well as the examples given in the application and the compounds particularly mentioned in claim 2.

It is further pointed out that the substantive examination can only be carried out to the same extent as the search.

2. Present claims 4 and 5 relate to the use of a composition which is defined by reference to a desirable characteristic or property. An attempt is made to define the composition by reference to a result to be achieved and thus is unclear in the sense of Art. 6 PCT.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 4, 5

1. The subject-matter of present claims 1, 19-21, 22, 25, 27 and 28 (and the dependent claims 3-18) is defined by means of the functional features 'inhibitor of telomerase', 'a compound that reduces telomerase levels in the hair follicles', 'a compound that reduces telomerase mRNA expression in the hair follicles', 'a compound that promotes the erosion of telomeric DNA in the hair follicles'.

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It is further pointed out that the substantive examination can only be carried out to the same extent as the search.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 02/18702**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-21, 24 and 28 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: 4, 5
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/US 02/18702

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9823276	A	04-06-1998	AU 4937097 A WO 9823276 A2 BG 101011 A	22-06-1998 04-06-1998 29-05-1998
JP 09143096	A	03-06-1997	NONE	
US 6017912	A	25-01-2000	NONE	